

Author Index to Volume 205

Agreiter, J., see G.M. Lask	205 (1993) 31
Ågren, H., see S. Svensson	205 (1993) 387
Ågren, H., see Y. Luo	205 (1993) 555
Akhtar, F., see L. Lian	205 (1993) 487
Allen, M.D., see M.A. Anderson	205 (1993) 415
Alonso, J.A., see O.V. Gritsenko	205 (1993) 348
Anderson, M.A., M.D. Allen, W.L. Barclay Jr. and L.M. Ziurys, The millimeter and sub-millimeter spectrum of the BaOH radical	205 (1993) 415
Andrews, S.R. and D.E. Parry, Theoretical analysis of double charge transfer spectra for tungsten hexacarbonyl	205 (1993) 102
Antonious, M.S., see H. Wang	205 (1993) 497
Aquilanti, V., B. Brunetti, F. Vecchiocattivi, T. Letardi, H. Fang and S. Fu, Role of HCl ionization by metastable neon atoms in XeCl laser kinetics	205 (1993) 229
Awaji, H., see N. Kobayashi	205 (1993) 51
Baguenard, B., M. Pellarin, C. Bordas, J. Lermé, J.L. Vialle and M. Broyer, Shell structure of small indium clusters below $N \approx 200$ atoms	205 (1993) 13
Baird, D.M., see H. Wang	205 (1993) 497
Balbás, L.C., see O.V. Gritsenko	205 (1993) 348
Barclay Jr., W.L., see M.A. Anderson	205 (1993) 415
Barone, V., C. Minichino, H. Faucher, R. Subra and A. Grand, Theoretical investigation of the EPR spectrum of the cyclopropyl radical	205 (1993) 324
Bauschlicher Jr., C.W. and H. Partridge, Comment on "A MRCI PS and CASSCF study of the ground state MgO dissociation energy"	205 (1993) 479
Beauregard, J.N. and H.R. Mayne, The role of reactant rotation and rotational alignment in the dissociative chemisorption of hydrogen on Ni(100)	205 (1993) 515
Berghmans, H., see M. Berghmans	205 (1993) 140
Berghmans, M., S. Govaers, F.C. de Schryver and H. Berghmans, Thermoreversible gelation of isotactic poly(styrene) studied by fluorescence spectroscopy	205 (1993) 140
Berryhill, J., S. Pramanick, M.Z. Zgierski, F. Zerbetto and B.S. Hudson, Resonance Raman activity in odd quanta of the trans bending vibration of acetylene: strong vibronic coupling in the $\tilde{\chi}$ to $\tilde{\Lambda}$ and $\tilde{\chi}$ to $\tilde{\Lambda}$ transitions	205 (1993) 39
Bertsch, G., see Y. Wang	205 (1993) 521
Birkett, P.R., H.W. Kroto, R. Taylor, D.R.M. Walton, R.I. Grose, P.J. Hendra and P.W. Fowler, The Raman spectra of $C_{60}Br_6$, $C_{60}Br_8$ and $C_{60}Br_{24}$	205 (1993) 399
Biver III, C.J., see B. Stevens	205 (1993) 440
Bixon, M., see J. Jortner	205 (1993) 451
Bondybey, V.E., see G.M. Lask	205 (1993) 31
Bordas, C., see B. Baguenard	205 (1993) 13
Bowers, C.R., H.W. Long, T. Pietrass, H.C. Gaede and A. Pines, Cross polarization from laser-polarized solid xenon to $^{13}CO_2$ by low-field thermal mixing	205 (1993) 168

Author Index to Volume 205

Agreiter, J., see G.M. Lask	205 (1993) 31
Ågren, H., see S. Svensson	205 (1993) 387
Ågren, H., see Y. Luo	205 (1993) 555
Akhtar, F., see L. Lian	205 (1993) 487
Allen, M.D., see M.A. Anderson	205 (1993) 415
Alonso, J.A., see O.V. Gritsenko	205 (1993) 348
Anderson, M.A., M.D. Allen, W.L. Barclay Jr. and L.M. Ziurys, The millimeter and sub-millimeter spectrum of the BaOH radical	205 (1993) 415
Andrews, S.R. and D.E. Parry, Theoretical analysis of double charge transfer spectra for tungsten hexacarbonyl	205 (1993) 102
Antonius, M.S., see H. Wang	205 (1993) 497
Aquilanti, V., B. Brunetti, F. Vecchiocattivi, T. Letardi, H. Fang and S. Fu, Role of HCl ionization by metastable neon atoms in XeCl laser kinetics	205 (1993) 229
Awaji, H., see N. Kobayashi	205 (1993) 51
Baguenard, B., M. Pellarin, C. Bordas, J. Lermé, J.L. Vialle and M. Broyer, Shell structure of small indium clusters below $N \approx 200$ atoms	205 (1993) 13
Baird, D.M., see H. Wang	205 (1993) 497
Balbás, L.C., see O.V. Gritsenko	205 (1993) 348
Barclay Jr., W.L., see M.A. Anderson	205 (1993) 415
Barone, V., C. Minichino, H. Faucher, R. Subra and A. Grand, Theoretical investigation of the EPR spectrum of the cyclopropyl radical	205 (1993) 324
Bauschlicher Jr., C.W. and H. Partridge, Comment on "A MRCI PS and CASSCF study of the ground state MgO dissociation energy"	205 (1993) 479
Beauregard, J.N. and H.R. Mayne, The role of reactant rotation and rotational alignment in the dissociative chemisorption of hydrogen on Ni(100)	205 (1993) 515
Berghmans, H., see M. Berghmans	205 (1993) 140
Berghmans, M., S. Govaers, F.C. de Schryver and H. Berghmans, Thermoreversible gelation of isotactic poly(styrene) studied by fluorescence spectroscopy	205 (1993) 140
Berryhill, J., S. Pramanick, M.Z. Zgierski, F. Zerbetto and B.S. Hudson, Resonance Raman activity in odd quanta of the trans bending vibration of acetylene: strong vibronic coupling in the $\tilde{\chi}$ to $\tilde{\Lambda}$ and $\tilde{\chi}$ to $\tilde{\Lambda}$ transitions	205 (1993) 39
Bertsch, G., see Y. Wang	205 (1993) 521
Birkett, P.R., H.W. Kroto, R. Taylor, D.R.M. Walton, R.I. Grose, P.J. Hendra and P.W. Fowler, The Raman spectra of $C_{60}Br_6$, $C_{60}Br_8$ and $C_{60}Br_{24}$	205 (1993) 399
Biver III, C.J., see B. Stevens	205 (1993) 440
Bixon, M., see J. Jortner	205 (1993) 451
Bondybey, V.E., see G.M. Lask	205 (1993) 31
Bordas, C., see B. Baguenard	205 (1993) 13
Bowers, C.R., H.W. Long, T. Pietrass, H.C. Gaede and A. Pines, Cross polarization from laser-polarized solid xenon to $^{13}CO_2$ by low-field thermal mixing	205 (1993) 168

Brauer, H.-D., see U. Katscher	205 (1993) 75
Brenton, A.G., see R.S. Hiemstra	205 (1993) 236
Broyer, M., see B. Baguenard	205 (1993) 13
Brunetti, B., see V. Aquilanti	205 (1993) 229
Brunvoll, J., see S.J. Cyvin	205 (1993) 343
Burde, D.H., T.T. Yang and R.A. McFarlane, Temperature dependence of the collisional deactivation of $I(^2P_{1/2})$ by I_2 and O_2 from 300 to 600 K	205 (1993) 69
Bürger, H., see M. Halonen	205 (1993) 380
Cenian, A., see S. Hennig	205 (1993) 354
Chang, Y.-T. and G.H. Loew, The reaction of atomic oxygen with methanethiol. A theoretical study of the structures and the potential energy surface	205 (1993) 543
Chapo, C., see J. Szczepanski	205 (1993) 434
Chen, J.-A., T.-S. Lee, T.-Y. Dong and S.-L. Lee, Effect of twisting mode on electron-transfer rate of mixed-valence biferrocenium systems	205 (1993) 80
Cho, G. and J.P. Yesinowski, Multiple-quantum NMR dynamics in the quasi-one-dimensional distribution of protons in hydroxyapatite	205 (1993) 1
Clifton, C.L., see R.E. Huie	205 (1993) 163
Coté, R., see A. Ioannidis	205 (1993) 46
Curtiss, L.A. and G. Scholz, The vapour phase complex $HF-AlF_3$. A new ab initio molecular orbital study	205 (1993) 550
Cyvin, B.N., see S.J. Cyvin	205 (1993) 343
Cyvin, S.J., J. Brunvoll and B.N. Cyvin, Isomers of polycyclic conjugated hydrocarbons with different ring sizes	205 (1993) 343
Dapprich, S. and G. Frenking, The keto/enol tautomerism of selenoformamide and telluroformamide	205 (1993) 337
De Dios, A.C. and E. Oldfield, Methods for computing nuclear magnetic resonance chemical shielding in large systems. Multiple cluster and charge field approaches	205 (1993) 108
De Maaijer-Gielbert, J., see M.F.H. van Tol	205 (1993) 207
De Schryver, F.C., see M. Berghmans	205 (1993) 140
Dodelet, J.P., see A. Ioannidis	205 (1993) 46
Domcke, W., see L. Seidner	205 (1993) 117
Dong, T.-Y., see J.-A. Chen	205 (1993) 80
Donovan, R.J., T. Ridley, K.P. Lawley and P.J. Wilson, Observation of the three lowest $\Omega=1$ ion-pair states of ICl using double-resonance ionisation nozzle-cooled spectroscopy	205 (1993) 129
Du, Y., see Y. Zhang	205 (1993) 508
Eden, J.G., see G. Rodriguez	205 (1993) 371
Effenberger, F., see N. Holl	205 (1993) 25
Emele, P., see N. Holl	205 (1993) 25
Engst, P., see P. Kubát	205 (1993) 429
Ernst, R.R., see M. Tomaselli	205 (1993) 145
Fang, H., see V. Aquilanti	205 (1993) 229
Faucher, H., see V. Barone	205 (1993) 324
Fehér, M., T. Pasinszki and T. Veszprémi, The ab initio equilibrium structures of germyl pseudohalides	205 (1993) 123

Fernandez-Prini, R., see D. Laria	205 (1993) 260
Flament, J.P., see H. Lavendy	205 (1993) 456
Fowler, P.W., see P.R. Birkett	205 (1993) 399
Francis, A.H., see M.R. Savina	205 (1993) 200
Frenking, G., see S. Dapprich	205 (1993) 337
Frenklach, M., see H. Wang	205 (1993) 271
Freudenberg, Th., see W. Radloff	205 (1993) 171
Fu, S., see V. Aquilanti	205 (1993) 229
Fujimura, Y., see Y. Naitoh	205 (1993) 423
Fukuda, A., see K. Kajikawa	205 (1993) 225
Fukushima, N., see K. Waizumi	205 (1993) 317
Gabriel, H., see S. Hennig	205 (1993) 354
Gaede, H.C., see C.R. Bowers	205 (1993) 168
Gao, Z., see N. Zhang	205 (1993) 178
García Cuesta, I., A. Sánchez de Merás and I. Nebot Gil, Reply to Comment on "A MRCI-PS and CASSCF study of the ground state MgO dissociation energy"	205 (1993) 484
Gardiner Jr., W.C., see S.M. Hwang	205 (1993) 157
Ghiordanescu, V., M. Vodă and C. Pedrini, Spectroscopy of Mn ²⁺ ions in CdCl ₂	205 (1993) 410
Glukhovtsev, M.N., P.von R. Schleyer, N.J.R. van E. Hommes and V.I. Minkin, Are the C _{4v} complexes of cyclobutadiene with CO, NO ⁺ , and CS minima?	205 (1993) 529
Govaers, S., see M. Berghmans	205 (1993) 140
Grand, A., see V. Barone	205 (1993) 324
Granucci, G. and M. Persico, Benzene-O ₂ interaction potential from ab initio calculations	205 (1993) 331
Gray, K.A., see U. Stafford	205 (1993) 55
Gritsenko, O.V., A. Rubio, L.C. Balbás and J.A. Alonso, Non-local exchange and local Coulomb correlation energy density functionals for finite many-electron systems	205 (1993) 348
Grose, R.I., see P.R. Birkett	205 (1993) 399
Hackett, P.A., see L. Lian	205 (1993) 487
Haky, J.E., see H. Wang	205 (1993) 497
Halonen, L., see M. Halonen	205 (1993) 380
Halonen, M., L. Halonen and H. Bürger, The second stretching overtone band system of ¹¹⁶ SnH ₄ at 5539 cm ⁻¹ : how close to the local mode limit?	205 (1993) 380
Hammerstad-Pedersen, J.M., M.H. Jensen, Y.I. Kharkats, A.M. Kuznetsov and J. Ulstrup, A view of fast charge separation in the bacterial photosynthetic reaction centre involving weak environmental damping of a populated auxiliary chlorophyll state	205 (1993) 591
Harmony, M.D., see S. Xu	205 (1993) 502
Harris, R.A., see Y. Shi	205 (1993) 91
Hayamizu, K., see S. Hayashi	205 (1993) 597
Hayashi, S. and K. Hayamizu, Line shapes in CP/MAS NMR spectra of half-integer quadrupolar nuclei (Chem. Phys. Letters 203 (1993) 319). Erratum	205 (1993) 597
Hendra, P.J., see P.R. Birkett	205 (1993) 399
Hennig, S., A. Cenian and H. Gabriel, Rotational relaxation of HCl in an Ar matrix	205 (1993) 354
Hiemstra, R.S., A.B. van der Kamp, W.J. van der Zande, A.G. Brenton and M. Larsson, Vibrational distribution of NO ²⁺ ions formed by electron impact ionization	205 (1993) 236
Holl, N., P. Emele, H. Port, H.C. Wolf, H. Strobel, T. Kemsarszky and F. Effenberger, Lowest excited singlet states of α -9-anthrylpolyenes	205 (1993) 25

Honma, K., see Y. Naitoh	205 (1993) 423
Hrušák, J. and H. Schwarz, Ab initio MO calculations on the electronic and geometric structure of fullerene dications, C_{60}^{2+} , and the double-ionization energy of C_{60}	205 (1993) 187
Hudson, B.S., see J. Berryhill	205 (1993) 39
Huie, R.E. and C.L. Clifton, Kinetics of the self-reaction of hydroxymethylperoxy radicals	205 (1993) 163
Hurley, M.D., see T.J. Wallington	205 (1993) 62
Hwang, S.M., M.J. Rabinowitz and W.C. Gardiner Jr., Recombination of methyl radicals at high temperatures	205 (1993) 157
Iachello, F. and S. Oss, Algebraic model of bending vibrations of complex molecules	205 (1993) 285
Illenberger, E., see M. Meinke	205 (1993) 213
Ioannidis, A., M.F. Lawrence, H. Kassi, R. Coté, J.P. Dodelet and R.M. Leblanc, Field dependence of hole mobilities in chloro-aluminum phthalocyanine	205 (1993) 46
Iraqi, M. and H. Schwarz, Gas-phase generation and characterization of linear silicon carbon hydrides SiC_xH^x ($x=4, 6$) by neutralization-reionization mass spectrometry	205 (1993) 183
Itagaki, H. and I. Takahashi, Reversible gelation process of isotactic polystyrene revealed by fluorescence measurements	205 (1993) 446
Jankowski, K. and P. Malinowski, Application of the complete-model-space MR-CCSD theory to the $2s^2$ 1S and $2p^2$ 1S states of Be	205 (1993) 471
Jensen, M.H., see J.M. Hammerstad-Pedersen	205 (1993) 591
Jeung, G.-H., see T. Leininger	205 (1993) 301
Jørgensen, P., see Y. Luo	205 (1993) 555
Jortner, J., M. Bixon, B. Wegewijs, J.W. Verhoeven and R.P.H. Reitschnick, Long-range, photoinduced charge separation in solvent-free donor-bridge-acceptor molecules	205 (1993) 451
Kajikawa, K., H. Takezoe and A. Fukuda, Orientational structure of noncentrosymmetric domain of merocyanine J-aggregates studied by surface second-harmonic generation	205 (1993) 225
Kajimoto, O., see Y. Naitoh	205 (1993) 423
Kamat, P.V., see U. Stafford	205 (1993) 55
Kashiwagi, H., see S. Yamamoto	205 (1993) 306
Kassi, H., see A. Ioannidis	205 (1993) 46
Kato, T., T. Kodama and T. Shida, Spectroscopic studies of the radical anion of C_{60} . Detection of the fluorescence and reinvestigation of the ESR spectrum	205 (1993) 405
Katscher, U., R. Schmidt and H.-D. Brauer, Triplet-sensitized cycloreversion of endoperoxides of aromatic compounds. An adiabatic reaction route	205 (1993) 75
Keshavamurthy, S. and W.H. Miller, A semiclassical model to incorporate multidimensional tunneling in classical trajectory simulations using locally conserved actions	205 (1993) 96
Kesmarszky, T., see N. Holl	205 (1993) 25
Khanna, S.N. and F. Reuse, Hydrogen absorption around neutral and charged Ni atoms	205 (1993) 248
Kharkats, Y.I., see J.M. Hammerstad-Pedersen	205 (1993) 591
Kinsey, J.L., see F. Remacle	205 (1993) 267
Kleinhesselink, D. and M. Wolfsberg, Application of the MUSIC method for spectral estimation to a model system	205 (1993) 461
Kobayashi, N., W.A. Nevin, S. Mizunuma, H. Awaji and M. Yamaguchi, Ring-expanded porphyrins as an approach towards highly conductive molecular semiconductors	205 (1993) 51
Kodama, T., see T. Kato	205 (1993) 405

Kong, F., see N. Zhang	205 (1993) 178
Köppel, H., New ultrafast nonradiative decay mechanism in the benzene radical cation	205 (1993) 361
Krishnan, V., see M. Raghavan	205 (1993) 19
Kroto, H.W., see P.R. Birkett	205 (1993) 399
Kubát, P., T. Vondrák, P. Engst and Z. Zelinger, Pulsed laser photolysis of dirhenium decacarbonyl at 308 nm	205 (1993) 429
Kumar, A., see R.K. Vatsa	205 (1993) 133
Kuppermann, A. and Y.-S.M. Wu, The geometric phase effect shows up in chemical reactions	205 (1993) 577
Kutzelnigg, W., see C. van Wüllen	205 (1993) 563
Kuznetsov, A.M., see J.M. Hammerstad-Pedersen	205 (1993) 591
Lamb, R.N., see N. Than-Trong	205 (1993) 219
Laria, D. and R. Fernandez-Prini, Ion-pair solvation in aqueous clusters	205 (1993) 260
Larsson, M., see R.S. Hiemstra	205 (1993) 236
Lask, G.M., J. Agreiter, R. Schlachta and V.E. Bondybey, Infrared emission and nonradiative relaxation of C_2 in solid neon	205 (1993) 31
Lavendy, H., J.M. Robbe and J.P. Flament, MCSCF-CI calculations of the CO^+ ion	205 (1993) 456
Lawley, K.P., see R.J. Donovan	205 (1993) 129
Lawrence, M.F., see A. Ioannidis	205 (1993) 46
Leblanc, R.M., see A. Ioannidis	205 (1993) 46
Lee, S.-L., see J.-A. Chen	205 (1993) 80
Lee, T.J., see J.M.L. Martin	205 (1993) 535
Lee, T.-S., see J.-A. Chen	205 (1993) 80
Leininger, T., J.-F. Riehl, G.-H. Jeung and M. Pélissier, Comparison of the widely used HF pseudo-potentials: MH^+ ($M=Fe, Ru, Os$)	205 (1993) 301
Lermé, J., see B. Baguenard	205 (1993) 13
Letardi, T., see V. Aquilanti	205 (1993) 229
Levine, R.D., see F. Remacle	205 (1993) 267
Lewenkopf, C., see Y. Wang	205 (1993) 521
Lian, L., F. Akhtar, P.A. Hackett and D.M. Rayner, Reaction of the copper dimer, Cu_2 , with ethylene in the gas phase	205 (1993) 487
Lianos, P., Calculation of the rate constant for fluorescence quenching in organized molecular assemblies (Chem. Phys. Letters 202 (1993) 471). Erratum	205 (1993) 599
Lindgren, S.-Å., C. Svensson and L. Walldén, Submonolayer Na coverage threshold for water vapour adsorption on Cu(111)/Na	205 (1993) 391
Loew, G.H., see Y.-T. Chang	205 (1993) 543
Lohr, L.L., see M.R. Savina	205 (1993) 200
Long, H.W., see C.R. Bowers	205 (1993) 168
Luckhaus, D. and M. Quack, The role of potential anisotropy in the dynamics of the CH chromophore in $CHX_3(C_{3v})$ symmetric tops	205 (1993) 277
Luo, Y., O. Vahtras, H. Ågren and P. Jørgensen, Frequency-dependent polarizabilities and second hyperpolarizabilities of N_2	205 (1993) 555
Malinowski, P., see K. Jankowski	205 (1993) 471
Maricq, M.M., see T.J. Wallington	205 (1993) 62
Marshall, P., see C.A. Taylor	205 (1993) 493

Martin, J.M.L., P.R. Taylor and T.J. Lee, Accurate ab initio quartic force fields for the N ₂ O and CO ₂ molecules	205 (1993) 535
Marynick, D.S., see J.R. Rogers	205 (1993) 197
Masuda, H., see K. Waizumi	205 (1993) 317
Mayne, H.R., see J.N. Beauregard	205 (1993) 515
McClain, W.M., see Y. Shi	205 (1993) 91
McFarlane, R.A., see D.H. Burde	205 (1993) 69
Medina, F.D., see H. Wang	205 (1993) 497
Meier, B.H., see M. Tomaselli	205 (1993) 145
Meijer, G., see P.H.M. van Loosdrecht	205 (1993) 191
Meinke, M., L. Parenteau, P. Rowntree, L. Sanche and E. Illenberger, Electron-stimulated desorption of anions from condensed CF ₄	205 (1993) 213
Mestechkin, M.M. and G.E. Whyman, Higher Hartree-Fock frequency-dependent hyperpolarizabilities (Chem. Phys. Letters 193 (1992) 395). Erratum	205 (1993) 598
Miller, W.H., see S. Keshavamurthy	205 (1993) 96
Minichino, C., see V. Barone	205 (1993) 324
Minkin, V.I., see M.N. Glukhovtsev	205 (1993) 529
Mittal, J.P., see R.K. Vatsa	205 (1993) 133
Mittal, J.P., see R. Seshadri	205 (1993) 395
Mizunuma, S., see N. Kobayashi	205 (1993) 51
Mukherjee, T., see R. Seshadri	205 (1993) 395
Naik, P.D., see R.K. Vatsa	205 (1993) 133
Naitoh, Y., Y. Fujimura, K. Honma and O. Kajimoto, Photodissociation of the NO dimer at 193 nm. The rotational alignment of the NO(A) fragments	205 (1993) 423
Nalewajski, R.F., see A.J.C. Varandas	205 (1993) 253
Nebot Gil, I., see I. Garcia Cuesta	205 (1993) 484
Nevin, W.A., see N. Kobayashi	205 (1993) 51
Nguyen, M.T., A theoretical study of the O=S-B=O radical	205 (1993) 572
Nieuwenhuys, B.E., see M.F.H. Van Tol	205 (1993) 207
Oldfield, E., see A.C. de Dios	205 (1993) 108
Ondrechen, M.J., see X.M. Wu	205 (1993) 85
Oss, S., see F. Iachello	205 (1993) 285
Pal, H., see R. Seshadri	205 (1993) 395
Parenteau, L., see M. Meinke	205 (1993) 213
Párkányi, C., see H. Wang	205 (1993) 497
Parry, D.E., see S.R. Andrews	205 (1993) 102
Partridge, H., see C.W. Bauschlicher Jr.	205 (1993) 479
Pasinszki, T., see M. Fehér	205 (1993) 123
Pedrini, C., see V. Ghiordanescu	205 (1993) 410
Pélissier, M., see T. Leininger	205 (1993) 301
Pellarin, M., see B. Baguenard	205 (1993) 13
Persico, M., see G. Granucci	205 (1993) 331
Pietrass, T., see C.R. Bowers	205 (1993) 168
Pines, A., see C.R. Bowers	205 (1993) 168

Port, H., see N. Holl	205 (1993) 25
Pramanick, S., see J. Berryhill	205 (1993) 39
Quack, M., see D. Luckhaus	205 (1993) 277
Rabinowitz, M.J., see S.M. Hwang	205 (1993) 157
Radloff, W., V. Stert, H.-H. Ritze and Th. Freudenberg, Ionization potentials and fragmentation thresholds of the heteroclusters benzene-(SF ₆) _m , m=1-4	205 (1993) 171
Raghavan, M. and V. Krishnan, Excitation energy transfer in covalently linked pheophorbide-porphyrin systems	205 (1993) 19
Rama Rao, K.V.S., see R.K. Vatsa	205 (1993) 133
Rao, C.N.R., see R. Seshadri	205 (1993) 395
Rayner, D.M., see L. Lian	205 (1993) 487
Remacle, F., R.D. Levine and J.L. Kinsey, The determination of time cross correlation functions by inversion of Raman excitation profiles	205 (1993) 267
Retttschnick, R.P.H., see J. Jortner	205 (1993) 451
Reuse, F., see S.N. Khanna	205 (1993) 248
Ridley, T., see R.J. Donovan	205 (1993) 129
Riehl, J.-F., see T. Leininger	205 (1993) 301
Ritze, H.-H., see W. Radloff	205 (1993) 171
Robbe, J.M., see H. Lavendy	205 (1993) 456
Robyr, P., see M. Tomaselli	205 (1993) 145
Rodriguez, G. and J.G. Eden, Dynamics of vibrational wave packets in the C ¹ Π _u state of Cs ₂	205 (1993) 371
Rogers, J.R. and D.S. Marynick, Theoretical estimates of the η ⁶ bonding capability of buckminsterfullerene in transition metal complexes	205 (1993) 197
Roser, D. and M. Vala, A magnetic circular dichroism study of cobalt atoms in a xenon matrix	205 (1993) 6
Rowntree, P., see M. Meinke	205 (1993) 213
Rubio, A., see O.V. Gritsenko	205 (1993) 348
Sahm, D.K. and D.L. Thompson, Semiclassical calculation of state-selective electronic predissociation rate constants	205 (1993) 241
Sahni, V., see K.D. Sen	205 (1993) 313
Saito, S., see Y. Wang	205 (1993) 521
Sanche, L., see M. Meinke	205 (1993) 213
Sánchez de Merás, A., see I. García Cuesta	205 (1993) 484
Savina, M.R., L.L. Lohr and A.H. Francis, A particle-on-a-sphere model for C ₆₀	205 (1993) 200
Schlachta, R., see G.M. Lask	205 (1993) 31
Schleyer, P.von R., see M.N. Glukhovtsev	205 (1993) 529
Schmidt, A.B., Ion binding by weakly charged polyions in unsymmetrical diluted electrolytes	205 (1993) 587
Schmidt, R., see U. Katscher	205 (1993) 75
Scholz, G., see L.A. Curtiss	205 (1993) 550
Schwarz, H., see M. Iraqi	205 (1993) 183
Schwarz, H., see J. Hrušák	205 (1993) 187
Seidner, L., W. Domcke and W. von Niessen, X ² A _g -A ² B _{1g} conical intersection in the pyrazine cation and its effect on the photoelectron spectrum	205 (1993) 117

Sen, K.D., M. Slamet and V. Sahni, Atomic shell structure in Hartree-Fock theory	205 (1993) 313
Seshadri, R., C.N.R. Rao, H. Pal, T. Mukherjee and J.P. Mittal, Interaction of C ₆₀ and C ₇₀ with aromatic amines in the ground and excited states. Evidence for fullerene-benzene interaction in the ground state	205 (1993) 395
Shapley, J.R., see Y. Zhang	205 (1993) 508
Shi, Y., W.M. McClain and R.A. Harris, An extension of the Mueller scattering matrix to nonlinear light scattering	205 (1993) 91
Shida, T., see T. Kato	205 (1993) 405
Siegbahn, P.E.M., The Ziegler-Natta olefin insertion reaction into a metal-alkyl bond for second-row transition metal atoms	205 (1993) 290
Slamet, M., see K.D. Sen	205 (1993) 313
Stafford, U., K.A. Gray, P.V. Kamat and A. Varma, An in situ diffuse reflectance FTIR investigation of photocatalytic degradation of 4-chlorophenol on a TiO ₂ powder surface	205 (1993) 55
Stert, V., see W. Radloff	205 (1993) 171
Stevens, B., C.J. Biver III and D.-C. Yuan, Dual fluorescence of 1-nitro, 4"-amino, <i>p</i> -terphenyl: origin and selective quenching	205 (1993) 440
Strobel, H., see N. Holl	205 (1993) 25
Subra, R., see V. Barone	205 (1993) 324
Suter, U.W., see M. Tomaselli	205 (1993) 145
Svensson, C., see S.-Å. Lindgren	205 (1993) 391
Svensson, S. and H. Ågren, Do shape resonances exist in core electron shake spectra of free molecules?	205 (1993) 387
Szczepanski, J., C. Chapo and M. Vala, Visible and infrared spectra of matrix-isolated perylene cations	205 (1993) 434
Takahashi, I., see H. Itagaki	205 (1993) 446
Takezoe, H., see K. Kajikawa	205 (1993) 225
Taylor, C.A. and P. Marshall, A discharge-flow/chemiluminescence study of the reaction O + Si ₂ H ₆ at room temperature	205 (1993) 493
Taylor, P.R., see J.M.L. Martin	205 (1993) 535
Taylor, R., see P.R. Birkett	205 (1993) 399
Than-Trong, N., P.Y. Timbrell and R.N. Lamb, An XPS study of polyimide film formation from the vapour deposition polymerisation of pyromellitic diimide (PMDI) and 4,4'-oxydianiline (ODA)	205 (1993) 219
Thompson, D.L., see D.K. Sahm	205 (1993) 241
Timbrell, P.Y., see N. Than-Trong	205 (1993) 219
Tománek, D., see Y. Wang	205 (1993) 521
Tomaselli, M., B.H. Meier, P. Robyr, U.W. Suter and R.R. Ernst, Probing microheterogeneity in polymer systems via two-dimensional ¹²⁹ Xenon NMR spin detection. A heterogeneous model blend system	205 (1993) 145
Ulstrup, J., see J.M. Hammerstad-Pedersen	205 (1993) 591
Vahtras, O., see Y. Luo	205 (1993) 555
Vala, M., see D. Roser	205 (1993) 6
Vala, M., see J. Szczepanski	205 (1993) 434
Van Bentum, P.J.M., see P.H.M. van Loosdrecht	205 (1993) 191

Van der Kamp, A.B., see R.S. Hiemstra	205 (1993) 236
Van der Zande, W.J., see R.S. Hiemstra	205 (1993) 236
Van E. Hommes, N.J.R., see M.N. Glukhovtsev	205 (1993) 529
Van Loosdrecht, P.H.M., P.J.M. van Bentum and G. Meijer, Raman scattering in electronically excited C ₆₀	205 (1993) 191
Van Tol, M.F.H., J. de Maaijer-Gielbert and B.E. Nieuwenhuys, Critical size of surfaces and means of synchronization for the oscillating reduction of NO by NH ₃ over Rh	205 (1993) 207
Van Wüllen, C. and W. Kutzelnigg, The MC-IGLO method	205 (1993) 563
Varandas, A.J.C. and R.F. Nalewajski, Virial theorem constraints on <i>n</i> -body terms of potential energy surfaces	205 (1993) 253
Varma, A., see U. Stafford	205 (1993) 55
Vatsa, R.K., A. Kumar, P.D. Naik, K.V.S. Rama Rao and J.P. Mittal, Time-resolved infrared fluorescence from 2ν ₁ and 2ν ₈ modes of CF ₂ Cl ₂ excited by a CO ₂ laser	205 (1993) 133
Vecchiocattivi, F., see V. Aquilanti	205 (1993) 229
Verhoeven, J.W., see J. Jortner	205 (1993) 451
Veszprémi, T., see M. Fehér	205 (1993) 123
Vialle, J.L., see B. Baguenard	205 (1993) 13
Vieth, H.-M. and C.S. Yannoni, Cross polarization in solid state NMR spectroscopy. Efficient polarization transfer via the non-Zeeman spin reservoir	205 (1993) 153
Vodá, M., see V. Ghiordanescu	205 (1993) 410
Vondrák, T., see P. Kubát	205 (1993) 429
Von Niessen, W., see L. Seidner	205 (1993) 117
Waizumi, K., H. Masuda and N. Fukushima, A molecular approach to the formation of KCl and MgCl ⁺ ion-pairs in aqueous solution by density functional calculations	205 (1993) 317
Walldén, L., see S.-Å. Lindgren	205 (1993) 391
Wallington, T.J., M.D. Hurley and M.M. Maricq, FTIR product study of the self-reaction of FC(O)O ₂ radicals	205 (1993) 62
Walton, D.R.M., see P.R. Birkett	205 (1993) 399
Wang, H. and M. Frenklach, Modification of Troe's fall-off broadening	205 (1993) 271
Wang, H., F.D. Medina, M.S. Antonious, C. Párkányi, J.E. Haky, D.M. Baird and Y.-D. Zhou, Spectroscopic studies of ZnWO ₄ single crystals	205 (1993) 497
Wang, Y., C. Lewenkopf, D. Tománek, G. Bertsch and S. Saito, Collective electronic excitations and their damping in small alkali clusters	205 (1993) 521
Weaver, M.J., see Y. Zhang	205 (1993) 508
Wegewijs, B., see J. Jortner	205 (1993) 451
Whyman, G.E., see M.M. Mestechkin	205 (1993) 598
Wilson, P.J., see R.J. Donovan	205 (1993) 129
Wolf, H.C., see N. Holl	205 (1993) 25
Wolfsberg, M., see D. Kleinhesselink	205 (1993) 461
Wu, X., see N. Zhang	205 (1993) 178
Wu, X.M. and M.J. Ondrechen, Third-order nonlinear optical properties of finite bridged polymers	205 (1993) 85
Wu, Y.-S.M., see A. Kuppermann	205 (1993) 577
Xu, S. and M.D. Harmony, Halocarbene production in free-jet expansions from a hot nozzle	205 (1993) 502

Yamaguchi, M., see N. Kobayashi	205 (1993) 51
Yamamoto, S. and H. Kashiwagi, CASSCF calculation on dioxygen heme complex with extended basis set	205 (1993) 306
Yang, T.T., see D.H. Burde	205 (1993) 69
Yannoni, C.S., see H.-M. Vieth	205 (1993) 153
Yesinowski, J.P., see G. Cho	205 (1993) 1
Yu, Z., see N. Zhang	205 (1993) 178
Yuan, D.-C., see B. Stevens	205 (1993) 440
Zelinger, Z., see P. Kubát	205 (1993) 429
Zerbetto, F., see J. Berryhill	205 (1993) 39
Zgierski, M.Z., see J. Berryhill	205 (1993) 39
Zhang, N., Z. Yu, X. Wu, Z. Gao, Q. Zhu and F. Kong, The formation of hydrogenated carbon clusters by laser ablation	205 (1993) 178
Zhang, Y., Y. Du, J.R. Shapley and M.J. Weaver, Surface-enhanced Raman spectroscopy of electroactive films of C ₆₀ and an Ir-C ₆₀ complex on gold: symmetry lowering, electron localization, and counterion effects	205 (1993) 508
Zhou, Y.-D., see H. Wang	205 (1993) 497
Zhu, Q., see N. Zhang	205 (1993) 178
Ziurys, L.M., see M.A. Anderson	205 (1993) 415